

Work Order ID 139497

139497

Page 1

Monday, November 30, 2015 11:44:55 AM

Item ID: D5055-9 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: Placard

Start Date: 11/25/2015 Start Qty: 6.00 *6*

Required Date: 11/30/2015 Req'd Qty: 6.00 *6*

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: MLJ Date: DEC 02 2015 Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D5055	A

100	PURCHASING	0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>30648</u>								
	Manufacture D5055-9 as per Dwg								
	Possible supplier: Studio Lettrage								
	Material release note is required								

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure material release note is attached								

CL DEC 03 2015 6

Box SP15-12-23

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

Work Order ID 139497

139497

Page 2

Monday, November 30, 2015 11:44:55 AM

Item ID: D5055-9

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Placard

Start Date: 11/25/2015 Start Qty: 6.00

6

Cust Item ID:

Required Date: 11/30/2015 Req'd Qty: 6.00

6

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

⑥ 15-12-24 DAS
9
9-89

130

Identify as per dwg & Stock Location: 5H46

0.00

130

Packaging

Memo

0.00

Packaging

***ONE YEAR EXPIRED DATE FROM
RECEIVING: JAN 04 2016***

6 DAS
6
9-89 JAN 04 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.01

Quality Control

MC5 JAN 05 2016

MC5 JAN 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Picklist Print

Monday, November 30, 2015 11:44:55 AM

Page 1/1

Work Order ID: 139497

139497

Parent Item: D5055-9

D5055-9

Parent Item Name: Placard

Start Date: 11/25/2015

Required Date: 11/30/2015

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A 14.04.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D5055-9P		Purchased		No			Each	0.0000					
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D5055-9P

Placard

**

⁶
60x 8015-12-23

DQA: _____ Date: _____

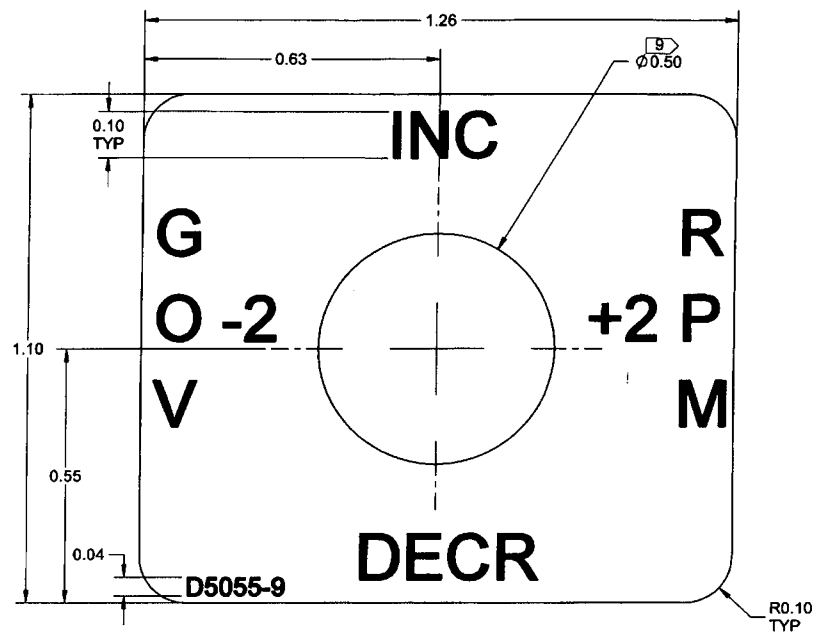


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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OTHER : ☐											



D5055-9 PLACARD

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 139497 MLS
15-12-02

RELEASED
2014-04-04

NOTES:

- 1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) WHITE TEXT ON BLACK BACKGROUND
- 9) CUT HOLES AS INDICATED

APPROVED

DESIGN	VS	DART AEROSPACE USA, INC.	
DRAWN	VS	KENT, WA	
CHECKED	DC	DRAWING NO.	REV. A
MFG. APPR.	JLM	D5055	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	PLACARD	NTS
DATE	14.01.31	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC.	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO00648**

Purchase Order Date 12/3/2015

PO Print Date 12/3/2015

Page Number 5 of 5

Order From :
STUDIO DE LETTRAGE 2001
210 MAIN WEST
HAWKESBURY, ON K6A 2H6
CA

VC-STU001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 613 632 5449

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

13 D5055-9P

Placard

12/11/2015 FN
Yes
12/11/2015

6.00
Each

Line Total: \$80.00

\$13.33 \$80.00

AS PER DWG D5055 REV. A
B139497

2015-12-23

Line Total: \$80.00

14 71401-45

PROCUREMENT
QUALITY CLAUSES

12/11/2015
No
12/11/2015

1.00

\$0.00 \$0.00

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER,
(DOCUMENTATION MAINTAINED BY SUPPLIER)
A013 SHELF LIFE CONTROLLED MATERIAL; 80% SHELF
LIFE REQUIRED AT RECEIPT
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A040 NOTIFICATION OF QUALITY ESCAPE
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

PO Total: \$1,040.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 12/3/2015

STUDIO

210 Main Street West
Hawkesbury, ON K6A 2H6
Phone # 613-632-2001

Invoice

Date	Invoice #
12/11/2015	41497

Invoice To

Dart Aerospace Ltd
1270 Aberdeen
Hawkesbury
Ontario
K6A 1K7

Ship To

P.O.No.	Terms	Rep	Ship	Via	F.O.B.	Project
30648			12/4/2015			WO16638

Quantity	Item	Description	Price Each	Amount
12	4005	D2258-160P.		
12	4005	D2258-170P.	6.67	80.04
12	4005	D2258-200P.	6.67	80.04
12	4005	D2258-300P.	6.67	80.04
10	4005	D3383-1P.	6.67	80.04
6	4005	D3678-3P.	8.00	80.00
6	4005	D3678-1P.	13.33	79.98
6	4005	D4086-200P.	13.33	79.98
6	4005	D5055-1P.	13.33	79.98
6	4005	D5055-3P.	13.33	79.98
6	4005	D5055-5P.	13.33	79.98
6	4005	D5055-7P.	13.33	79.98
6	4005	D5055-9P.	13.33	79.98
		Attn: Chantal		

SP15-12-20

Subtotal \$1,040.00

Thank you for your business.

Sales Tax \$135.20

Total \$1,175.20

******CERTIFICATE of CONFORMITY******

Customer: Studio Lettrage 2001

Purchase Order N°: 30648

Packing Slip N°: 16638

Part N°:

Serial N°:

Description: (D2258-160P, 170P, 200P, 300P) (D3383-1P) (D3678-3P, 1P) (D3678-1P) (D4086-200P) (D50531P, 3P, 5P, 7P) (9P)

Quantity:

112

Certification:

We hereby certify that:

1. The above listed items were manufactured, repaired and/or inspected in accordance with applicable drawings and/or specifications;
2. All work was accomplished in accordance with the Dart Aerospace Purchase Order;
3. Results of all inspections, chemical or physical tests, as well as other evidence, which shows the acceptability of raw materials, parts and/or assembly components are on file and available for inspection at any time.

SP15-1229

Authority:

Avery

APPROVAL: Valerie Young

Signature: *Val Y*

Title: office administrator

DATE:

Dec 11, 15.

PRODUCT DATA SHEET



Avery® IPM™ 2031

issued: 01/04/2005

Introduction

Avery® IPM™ 2031 is a high quality pressure-sensitive vinyl film, designed for use on wide format inkjet printers. Avery® IPM™ 2031 has excellent printing properties, allowing crisp print quality with bright and vibrant colours. Avery® IPM™ 2031 offers rapid ink drying and a water-resistant material. It combines good adhesion during its life and easy removal afterwards.

Description

Facefilm: 80-micron premium white calendered, topcoated vinyl.
Adhesive: removable, acrylic based
Backing paper: one side coated kraft paper, 140 g/m²

Features

- Excellent printability
- Vibrant and bright colours
- Crisp print quality
- Spray water resistant with specific pigmented inks
- Good adhesion, excellent removability
- Warranty on outdoor durability

Recommendations for use

A wide variety of full-colour graphics for indoor - and **short/medium term outdoor** applications such as posters, murals, displays, exhibition stands, vehicle graphics etc. Avery® IPM™ 2031 is suitable for application to a wide variety of substrates and will remove cleanly for up to 1 year after application.

IPM media should be handled with care as any surface contamination may affect the print quality. Media should be processed in an environment of 15-25°C and 30-70% relative humidity. After drying, the finished prints should be wrapped in polyethylene film and despatched flat or rolled with the printed side facing outwards. To protect prints against water, UV/light and abrasion, overlamination with a clear film is recommended. For specific details of Avery® DOL combinations, refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media"

Always test your combination of Avery® IPM™ medium, inkjet printer and inks prior to commercial use.

Compatibility

Avery® IPM™ 2031 is compatible with a broad selection of inkjet printers, when printing with pigmented, water based inks. For specific details refer to "Technical Bulletin 5.6 Avery Dennison Inkjet Print Media - Printer compatibility".

Durability:

Avery® IPM™ 2031 is warranted for outdoor use in conjunction with pigmented outdoor inks from HP, Encad and Colorspan. The warranted period varies from type of application and type of overlaminate from 18 months up to 5 years. For full details, see our Avery® IPM™ Outdoor warranty.



www.averygraphics.com

Graphics Division
Rijndijk 86, P.O. Box 118
2394 ZG Hazerswoude - The Netherlands
Tel +31 71 3421500 - Fax +31 71 3421538

PRODUCT CHARACTERISTICS

Avery® IPM™ 2031

Physical properties

Features

Caliper, facefilm

Gloss

Dimensional stability

Adhesion, initial

Adhesion, ultimate

Flammability

Accelerating ageing

Shelf life

Removability

Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, certain types of PVC

Test method¹

ISO 534

ISO 2813, 20°

DIN 30646

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

DIN 53587, 500h exposure

Stored at 22° C/50-55 % RH

Results

80 µm

1%

0.3 mm. max

180 N/m

260 N/m

Self extinguishing

No negative impact on film

Performance

2 years

up to 1 year

Durability²

Overlaminated with DOL 4300

Overlaminated with DOL 1000, DOL 1100

with overlaps

Overlaminated without overlaps

for static applications only

Without overlaminate and used for static,

Non-abrasive application ONLY

5 years

3 years

2 years

18 months

Only when printed with ENCAD GO, HP and Colorspan pigmented inks and when properly applied in accordance with our application instructions. Only applicable for vertical exposure.

Temperature range

Features

Application temperature

Service temperature

Results

Minimum: +10°C

-20°C to +80°C

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing. All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

2) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



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